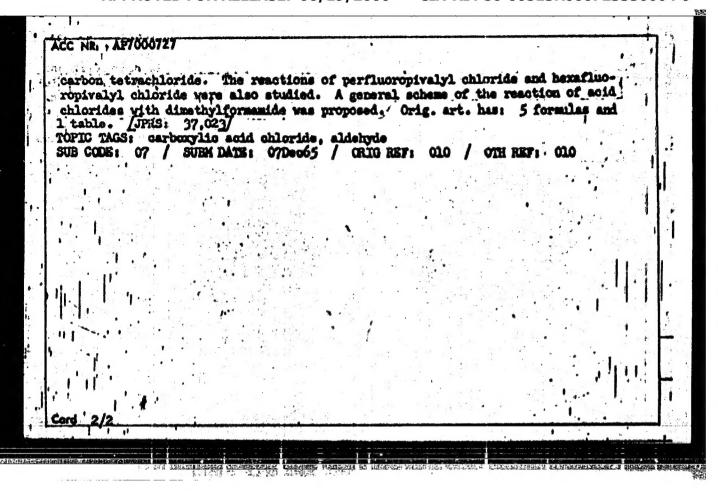
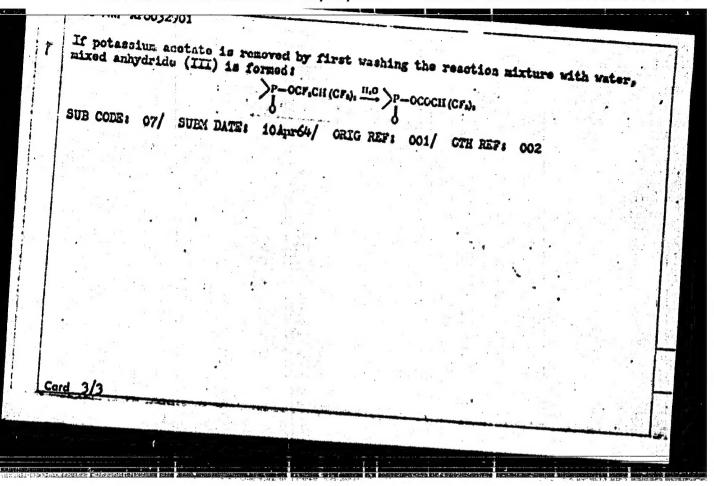
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: {	ACC NR. A17,000727 SOURCE CODE: UR/0062/66/000/006/1038/1047
	OFFICE COMPOUNDS, Agademy of Ediences USER (Institut elementoorganicheskich
	Soyedinonly AN 939R) "Reaction of Chlorides of Carboxylic Acids with Disathylforneside"
	Moscov, Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya, No 6, 1966, pp 1038-1047
i	Abstract: A new trend of the reaction of halides of carboxylic acids with dimethylformamide, leading to aldehydes of these acids, was demonstrated.
	Depending upon the structure of the acids, either transamidation or aldehyde formation occurs. In the reaction of acetyl, trifluoroacetyl, isobutyryl, neperfluorobutyryl, and benzoyl chlorides with dimethylformamide, the dimethyla-
	mides of the corresponding acids were formed. In the case of n-perfluorobutyryl chloride, together with the basic product, the dimethylamide of perfluorobutyryl- formic acid was formed. In the case of hexafluoroisobutyryl chloride, the re-
	action with dimethylformamide liberated CO ₂ and produced an unstable crystalline substance, which readily hydrolysed to hexafluoroisobutyraldehyde. Derivatives
'	of hexafluoroisobutyryl chlorida and trichloroacetyl chloride reacted with dimethylformamide to form not only the aldehydes, but also the corresponding
1	chloroalkanes and carbon monoxide, decarbonylation products of the original acid chlorides. Trichloroacetyl chloride reacted simultaneously according to the three schemes, yielding the dimethylamide of trichloroacetic acid, chloral, and
.:	Cord, 1/2 UDC: \$42.95 + \$42.95



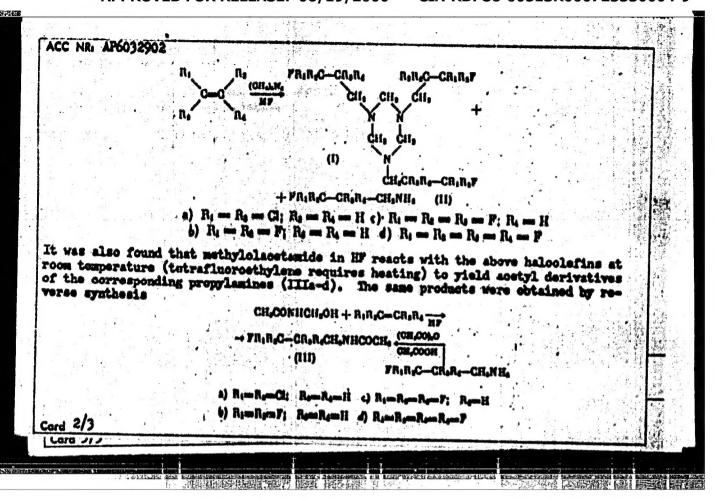
	ACC NR. AP6032901 SOUNCE CODA: UI/0062/66/000/009/1571/1575
	AUTHOR: Knunyanta, I. L.; Bykhovskaya, E. G.
	ORG1 none
	TITIE: Reactions of fluoreolegies. Report No. 18. Addition of thiophospheric acids to q-ologies
	SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 9, 1966, 1571-1575
1	TOPIC TAGS: olofin, phosphonate, phosphoric acid, isobutylene
	ABSTRACT: It is shown that o-isobutylene and o-cyclobutene readily react with salts of soid esters of mothylphosphonic, methylthicphosphonic and disopropylthicphosphoric acid. The compounds obtained have structure (I) or (II):
	P-OCF,CH(CF,), P-SCF,CH(CF,), (II)
	O-Isopropyl-O-2-monohydro-m-isobutylthionsphosphonate (III) was formed as follows:
	Card 1/3 UDC: 542.91+547.321+661.718.1
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	P-OH + CF	1-C(CFs): 1-Cs11,0	P-OCFICH (CF1)		
	ecino 5	1-C ₄ 11-0	s (III)		
If ϕ -isobutylor	e is reacted with is	opropyl methylt	hiophosphonate :	in acetic a	oid in the
bresends of hot	assium acotate, eith				
		P-OCOCII (CFa)			
	1-C,11,	0/8			
or the fluoride	of isopropyl methyla		ormed. Isoprop	yl methylph	osphonate
adds to q-isobu	Dr-on c	P-C(CF.)	I (CFa)a		
	ð	ð			
but the product	could not be isolat	ed because it c	onverted into the	e fluoride	of
		•			
	>r-ocracii (cr	di - >P-F+ (CF.)	cuc	•	
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AUTHOR: Pod	ol'akiy, A. V.; G	erman, L. S.	Knunyant	, I. L.			
ORG: Institu	uto of Organometa heskikh soyedinen	114a Camana			., 895R (I	nstitut el	-
TITIE: Road tion and fluc	tions in anhydrou proscylaminomethy	hydrogen fl lation of hal	uoride. I	eport No.	5, Fluoros	minomethyl	•
	SSSR. Isvestiya.			no. 9. 196	56. 1575-16	e e	
TOPIC TAGS:	olefin, hydrogen	fluoride, fl	uorinated	organio oc-	mound		
ABSTRACT: Ex donses with v mild conditio	periments have shinylidene chloridens (5-20°, atmosper at 50° only und trical N-fluroalk	norn that uro le, virylidence pheric pressur	tropin in • fluorido r•). With	the presence and triflu tetrafluor	e of HF resorresthylene	under ver	on is-
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ard 1/3			UDC: 542	91+547.233	1661.723-16		
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R=H.GH,-GI; R=CF, ONCF;
These compounds are unstable and darken rapidly at room temperature.

APPROVED FOR RELEASE: 06/19/2000

Card 1

人生立经计位对抗原理器 (MAI) **RECEINS BESUSSES**

ACC NR. AP6032590

SOURCE CODE: UR/0062/66/000/008/1377/1382

AUTHOR: Emmyants, I. L.; Dyatkin, B. L.; Gevorkyan, A. A.

ORG: Institute of Organometallic Compounds, Academy of Sciences, SSSR.(Institut olomentoorganicheskikh soyedineniy Akademii nauk SSSR)

TITLE: Reactions of a-chloroperfluoromitrosoalkanes with unsaturated compounds

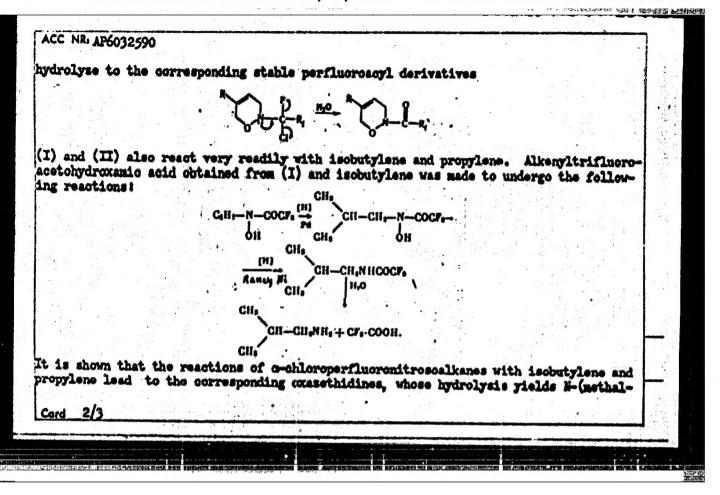
SOURCE: AN SSSR. Investiya. Seriya khimicheskaya, no. 8, 1966, 1377-1382

TOPIC TAGS: organic nitroso compound, fluorinated organic compound

AESTRACT: The reactions of diene hydrocarbons and olefins (isobutylone and propylene) with two a-chloroperfluoromitrosoalkanes, a-chloroperfluoromitrososthane CF3CFCINO (I) and archloro-p-nitroperfluoromitrosoathane ONCF2CFCINO (II), are described. (I) and an reacted very readily in other solution at -20 to -15°C with butadiene, isoprene and chloroprene. The main direction of the reaction is a diene-synthesis-type addition forming derivatives of 3,6-dihydro-1,2-oxasines

542.91+547.231+661.723-16

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BSTRACT: the proposed otained by the company of the proposed	method, 2-(N-all reaction of ethy an organic solve	koxy-N-alkyl) a ylene sulfide v ent.	ninoethyl merc	aptans are ylhydroxylas	tine CBB No	. 10]	・おうしょ まれずい (乗り)減し、乗り返し
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ACC NR. AP6031648

SOURCE CODE: UR/0020/66/170/001/0096/0098

AUTHOR: Lin'kova, M. G.; Orlov, A. M.; Emmyants, T. L. (Academician)

ORG: Institute of Organometallic Compounds, Academy of Sciences, SSSR (Institut elementoorganicheskikh scyedinemiy Akademii nauk SSSR)

TITIE: New reaction of β-propicthiolactones

SOURCE: AN SSSR. Deklady, v. 170, no. 1, 1966, 96-98

TOPIC TAGS: lactone, organic sulfur compound

ABSTRACT: It was found that β-propicthiolactones are readily cleaved by chlorine to yield chlorides of the corresponding chlorosulfenylpropionic acids. The following reactions were carried out:

R = R' = H (I) R = GH, N' = G (III)

R = GH, N' = G (III)

Aniline reacts with (III) to form amilide (Y):

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LUCS: 542.91447-314

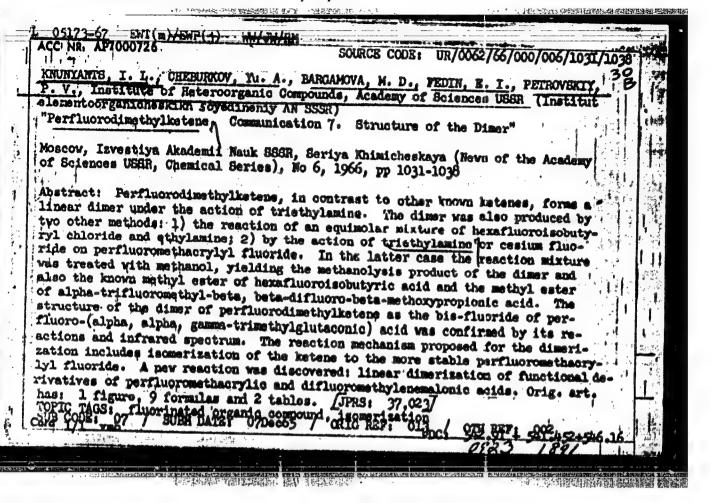
	CISCH, CCOCI H. [15CH, COCI] (-SCH, CCOCH) CI (VI)		***************************************
a, a' -dime	ements, (VI) readily exchanges a chlorine atom for an smine group thylogetime (VII): (-8CH-COOH) NH-COONH-COONH-COONH-COONH-COONH-COOHH		
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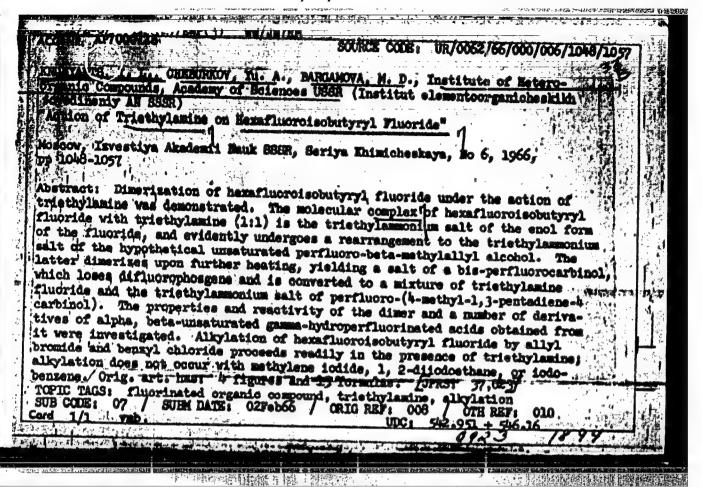
10 EWT(m)/EWP(1) in/0062/66/000/005/1017/1022 ACC NR. AP7000723 CODE KNUNYANTS, I. I., SOKOL'SKIY, C. A., and BELAVENTSEV "Fluorine-Containing Beta-Sultones. Communication 15. Alkyl Fluorosulfates Moscov, Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya, No 6, 1966, pp 1017-1022 Abstract: Tetrafluoroethane-beta-sultone reacts with methanesulfonyl chlorids, alkyl chlorosulfates, and sulfuryl chloride to form trifluorovinyl chlorosulfate and the corresponding fluorosulfonyl compounds. The temperature conditions of the reaction and yield of trifluorovinyl chlorosulfate are determined by the nature of the substituent on the chlorosulfonyl group of the reactant. The most favorable conditions are observed when methanesulfonyl chloride, a compound characterized by high lability of the chlorine atom in the chlorosulfonyl group, is used. With increasing electron-acceptor properties of the substituent (CH2 < RO < HO < C1), the mobility of the chlorine in the reagent molecule decreases, and obstacles to the reaction increase. The reaction of fluorine-containing beta-sultones with alkyl chlorosulfates is a general method for producing previously unavailable aliphatic esters of fluorosulfonic acid. The reaction was conducted between tetrafluoroethane-beta-sultone and methyl, ethyl, n-propyl, n-butyl, n-amyl, and n-hexyl chlorosulfates, producing the UDC: Card 1/2

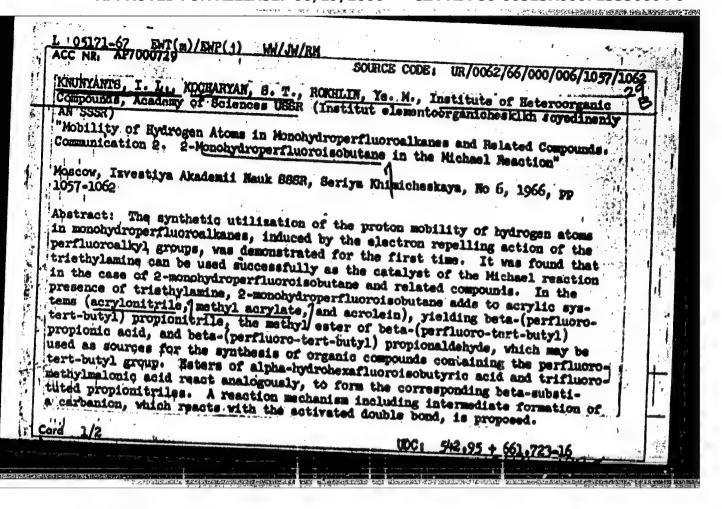
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corresponding alkyl sodium chloride, aportion chloride, aportion of the final fraction o	triethylamine were ed to be very effect luorosulfate group l	tive alkylating	agents. The	plecular	
ORG: none				•	ľ
TOPIC TAGS: organic	sulfur compound, s	Pluorinated organization ORI	unic compound	OTH REF. OOI	
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05175-67 EWT(m)/EWP(1) ACC NR. AP7000724 tir/0062/66/000/006/1022/102 SOURCE CODE: KRUMYANTS, I. L., BOROL'SKIY, C. A., and BELAVENDEY, M. A. "Fluorine-Containing Beta-Sultones. Communication 16. Trifluorovinyl Esters Alkylaulfuric Acida Moscov, Isvestiya Akademii Mauk 868R, Seriya Khimicheskaya, No 6, 1966, pp 1022-1027 Abstract: Previously unknown trifluorovinyl esters of alkylsulfuric acids were produced in the reaction of tetrafluoroethane-beta-sultons with dialkyl sulfates and with dialkyl sulfites. The ability of aliphatic esters of sulfuric soid to react with a tetrafluoroethane-beta-sultone varios depending on the nature of the alkyl redical in the ester group of the sulfate, the reactivity increasing with length of the alkyl radical. In the case of aliphatic, esters of sulfurous acid, the reaction with tetrafluoroethans-beta-sultons is very vigorous, requiring cooling to -10 to -300. This method is recommended as a general preparative method for producing trifluorovinylalkyl sulfates. The molecular refraction of the trifluorovinyl group Rupowill was found to be equal to 9.82. Orig. art. has: 4 formulas and 5 tables: [JPRS: 37,023] ORG: | rione TOPIC TAGS: vinyl compound, ester, organic sulfur compound, fluorinated organic compound SUBM DATE: 14May65 ORIG REP: 和一个,但是是一个一个

05174-67 EWT(#)/EWP(1)
ACC NR. AP/000725 SOURCE CODE: UR/0062/66/000/006/1027/1031 KNUNYANTS, I. L., BELAVENTSEV, M. A., ROPALO, P. P., SOKOL'SKIY, G. A. "Fluorine-Containing Beta-Sultones. Communication 17. Derivates of Pentafluoropropenylet lituric Acid" Moscov, Izvesti - Akademii Nauk SSSR, Seriya Khimicheskaya, No 6, 1966, pp 1027-1031 Abstract: Pentsfluoropropenyl chlorosulfate was produced by the reaction of hexafluoropropane-2-beta-sultone with alkanesulfonyl chlorides (methane- and) ethanesulfonyl chlorides), with alkyl chlorosulfates (n-amyl and n-hexyl chlorosulfates), and chlorosulfonic acid, as well as by the reaction of hexafluoropropylene with chlorosulfonic soid or with a solution of sulfuric anhydrids. The latter reaction includes the intermediate formation and further conversion of hexafluoropropane-2-beta-sultons. The reaction of hexafluoropropane-2-beta-sultone with dialkyl sulfites yields pentafluoropropenylalkyl sulfates. Hydrolysis and alcoholysis of the latter were studied. The physical properties of the derivatives of pentafluoropropenylsulfuric acid obtained were also investigated. Origo art. has: 6 formulas and 6 tables. [JPRS: 37,023] ORGE none TOPIC TAGS: fluorinated organic compound, organic sulfur compound SUSH DATE: 177-b66 / CRIG REF: 004 SUB CODE: Card : 1/1

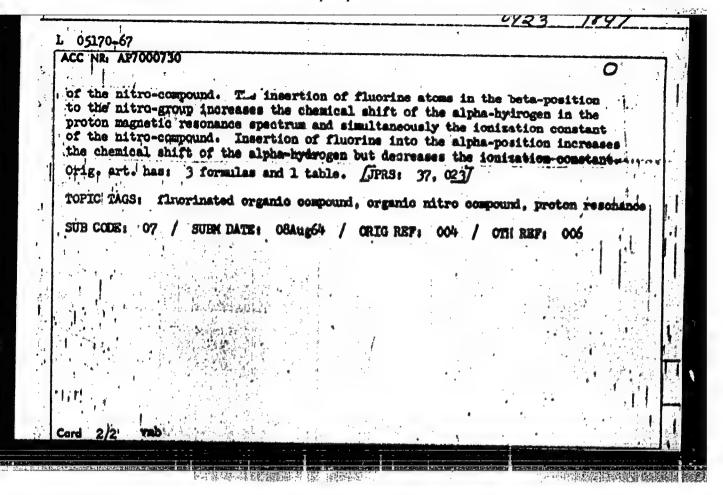






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TOPIC TAGS: 'fluorinated organic compound, tristhylamine		
SUB CODE: 07 / SUMM DATE: 130eo65 / ORIG REF: 002	/ OTH REF	.001
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05120-62 SOURCE CODE: UR/0062/66/000/006/1062/1065 KNUNYANTS, I. L., GERMAN, L. S., ROZHKOV, I. N., Institute of Heteroorganic Co pounds, Academy of Sciences USSR (Institut elementoorganicheskikh soyedineniy AN SSSR "Aliphatic Fluoronitro-Compounds. Communication 5. Proton Hagnetic Resonance Spectra and Ionization Constants of Polyfluoronitroalkanes" Moscow, Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (News of the Academy of Sciences USSR, Chemical Series), No 6, 1966; pp 1062-1065 Abstract: The proton magnetic resonance spectra of 15 different nitroelkanes were studied to evaluate the degree of shielding of the hydrogen atom in the alpha-position to the nitro-group. The introduction of fluorine atoms into the nitroalkane molecule, like that of other electronegative groups, leads to a shift in the signal of the alpha-hydrogen in the proton magnetic resonance spectrum into the region of a weaker field. The change in the chemical shift of the alpha-hydrogen upon the introduction of electronegative substituents into the nitroalkane molecule, with the exception of fluorine atoms, is correlated with the change in the ionization constants of these compounds. The absence of correlation for fluorine substituents is explained by the fact that the proton magnetic resonance spectrum characterizes the influence of substituents in the static state of the molecule, whereas the ionization constant characterizes the state of dynamic equilibrium of the process of acid-base conversion 543.422 + 661.723-16 + 定例文: 印刷器转角原数



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L 05169-67 EWT(m)/EWP(j)/EWP(t)/ETI IJP(c) JD/WW/JW/RM ACC NRAP7000731 SOURCE CODE: UR/0062/66/000/006/1065 Of Sciences USER (Institut elementoorganicheskich soyedineniy /N SSSR)	/1069
"Reactions in Anhydrous Rydrogen Pluoride. Communication 1. Conjugated Halo-	28 B
Moscov, Izvestiya Akademii Mauk SSER, Seriya Khimicheskaya, No 6, 1966, pp 1065-1069	
Abstract: A method was developed for synthesizing fluorochloroalkanes by conjugated chlorination of olefins in anhydrous hydrogen fluoride. In the reaction of ethylene with chlorine in anhydrous hydrogen chloride at -20 to 30°, "chlorofluorination" of ethylene, forming 1,2-chlorofluoroethane. Chlorination of vinylidene chloride proceeds analogously. In the reaction of olefins with hexachloromelamine and hydrogen fluoride at atmospheric or somewhat higher pressure, chlorofluorination products are formed in yields as high as 60-65%. Con-	
lene, cyclohexene, vinylidene chloride and fluoride was carried out with ethylene propy- beta-chloroethyl cation formed in the chlorimation of ethylene can attack ben- zene electrophilically to yield beta-chloroethylbenzene. Ho such electro- philic attack occurred in the chlorimation of vinylidene chloride in the property of the pro	
SUB CODE: 07 / SUBM DATE: 25Jan65 / ORIG REF: 003 / OTH REF: 007 Cord 1/1 ymb UDC: 542,95 + 661,723-16	1
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KNUNYANTS, I. I., LIN'KOVA, M. G., MULESHOVA, N. D., Institute of Compounds, Adadesy of Sciences USER (Institut elementoorganiches AN SSSR) "Structure of Ad ition Products of Methyl- and Ethylsulfene Chlor Derivatives of Aurylic Acid" Moscov, Investive Akademii Nauk SSER, Seriya Khimicheskaya, No 6, pp. 1069-1075 Abstract: In the addition of alkylsulfene chlorides to acrylic a tives CH2=CHR (R = COCH, COCH3, CN, COSH2) a mixture of isomers and CH2-CH-R (II) is formed, the ratio of which depends upon the SR' C1 R. The more electronegative the substituent, the higher the contents of the contents o	Heteroorgania Idida soyedinenty idea to 8
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AN SSER) "Structure of Ad ition Products of Methyl- and Ethylsulfene Chlor Derivatives of Acylic Acid" Moscow, Investive Akademii Menk SSER, Seriya Khimicheskaya, No 6, pp 1069-1075 Abstract: In the addition of alkylsulfene chlorides to acrylic a tives CH2=CHR (R = GOOH, COOCH3, CN, COEH2) a mixture of isomers and CH2-CH-R (II) is formed, the ratio of which depends upon the SR' Cl R. The more electronegative the substituent, the higher the contents	ides to B
AN SSER) "Structure of Ad ition Products of Methyl- and Ethylsulfene Chlor Derivatives of Acylic Acid" Moscow, Investive Akademii Menk SSER, Seriya Khimicheskaya, No 6, pp 1069-1075 Abstract: In the addition of alkylsulfene chlorides to acrylic a tives CH2=CHR (R = GOOH, COOCH3, CN, COEH2) a mixture of isomers and CH2-CH-R (II) is formed, the ratio of which depends upon the SR' Cl R. The more electronegative the substituent, the higher the contents	ides to B
"Structure of Ad ition Products of Methyl- and Ethylsulfene Chlor Derivatives of Acrylic Acid", Moscov, Investive Akademii Menik SSER, Seriya Enimicheskaya, No 6, pp 1069-1075 Abstract: In the addition of alkylsulfene chlorides to acrylic a tives CH2=CHR (R = GOOM, GOODH3, CN, COSH2) a mixture of isomers and CH2-CH-R (II) is formed, the ratio of which depends upon the SR' Cl	1966,
Moscov, Investiya Akademii Mank SSER, Seriya Khimicheskaya, No 6, pp 1069-1075 Abstract: In the addition of alkylsulfene chlorides to acrylic a tives CH2=CHR (R = GOOM, COOCH3, CW, COOK) a mixture of isomers and CH2-CH-R (II) is formed, the ratio of which depends upon the SR' Cl R. The more electronegative the substituent, the higher the continuous	1966,
Moscov, Investiya Akademii Mank SSSR, Seriya Khimicheskaya, No 6, pp 1069-1075 Abstract: In the addition of alkylsulfene chlorides to acrylic a tives CH2=CHR (R = GOOH, GOOCH3, CM, COSH2) a mixture of isomers and CH2-CH-R (II) is formed, the ratio of which depends upon the SR' Cl R. The more electronegative the substituent, the higher the cont	
Abstract: In the addition of alkylsulfene chlorides to acrylic a tives CH2=CHR (R = GOOM, GOODH3, CN, COSH2) a mixture of isomers and CH2-CH-R (II) is formed, the ratio of which depends upon the SR' Cl	
Abstract: In the addition of alkylsulfene chlorides to acrylic a tives CH2=CHR (R = GOOM, GOODH3, CN, COSH2) a mixture of isomers and CH2-CH-R (II) is formed, the ratio of which depends upon the SR' Cl	
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and CH2-CH-R (II) is formed, the ratio of which depends upon the SR' C1 R. The more electronegative the substituent, the bishess the cont	cid deriva-
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and CH2-CH-R (II) is formed, the ratio of which depends upon the SR' Cl	CH2-CH-R (I)
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chloroisomer in the mixture of addition products of alkylsulfens	ent of beta-
scrylic acid derivatives. A reaction mechanism is proposed, which	across set th
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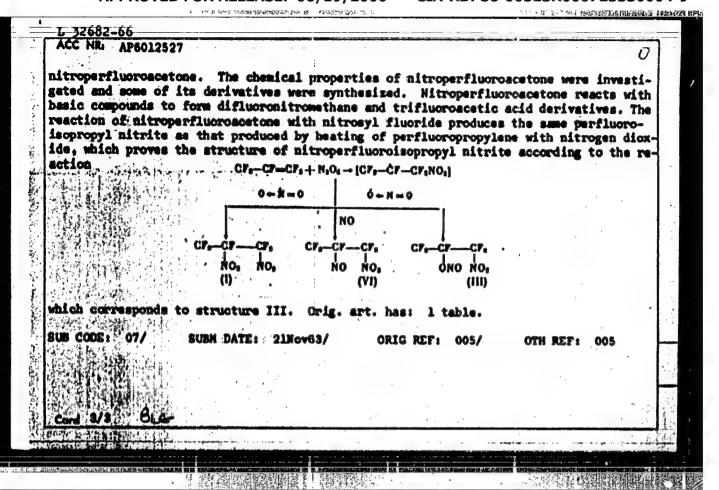
REYMYSHEVA, A. A., KRUNYANIS	28
I. Kinetics of the Hydrolys	the Series of Derivatives of Phosphorus Acids. 13
	mii) Vol 36, No 6, 1966, pp 1090-1098
pounds with decreasing filli placement of the p-electrons	of the d-level of the phosphorus atom due to dis- of the oxygen atom of the alkoxy-group, as well ators, particularly the sterio factors, upon the
reactivity of organophosphor the hydrolysis of a number o ates. It was found that in confunction of atoms or grou	or compounds, the authors studied the kinetics of chlorides of phosphinic acids and chlorophosphon- addition to the inductive influence and effect of pe of atoms bonded to the phosphorus, a great
reactivity of organophosphor the hydrolysis of a number of ates. It was found that in conjugation of atoms or grou role in the reactivity of ha factor. The reactivity of of three orders of magnitude of a negligible change in the a of substituents in the serie those cases when the signifi	re compounds, the authors studied the kinetics of chlorides of phosphinic acids and chlorophosphon- addition to the inductive influence and effect of

ACC NR: AF700073 SOURCE CODE: UR/0062/66/000/006/1108/1110 KNEWYANTS, I. L., ZETYMAN, Yu. V., GAMBARYAN, E. P., Institute of Retero- organic Compounds, Academy of Sciences USSR (Institut elementoorganicheskikh soyedinenty AN SSR) "2-Acetoxy-2-act ylaminohexafluoropropane and Its Reactions" Moscow, Izvesti). Akademii Mauk SSRR, Seriya Khimicheskaya, No 6, 1966, pp 1108-1110 Abstract: 2-Acetoxy-2-acetylaminohexafluoropropane was produced by reaction of hexafluoroacetomeimine with acetic anhydride in the presence of catalytic amounts of sulfuric acid. It was also produced by acetylation of the geminal hydroxyamide with acetic anhydride. Reactions of 2-acetoxy-2-acetylaminohexa- fluoropropane were studied: it reacts readily with mucleophilic reagents with a replacement of the acetoxy group. The reaction with acetamide yields 2,2- bis-(acetamido) herafluoropropane; the reaction with acetamide yields 2,2- bis-(acetamido) herafluoropropane; the reaction with ketene leads to a dihy- droxxaxione, hydrolysis of which yields beta-acetylamino-beta, beta-bis-(tri- fluoromethyl) propionic acid, and then hexafluoro-beta-valine. Orig. art. has: formiles. [JPRS: 37,023] TOPIC TAGS: fluorinated organic compound, hydrolysis, acetic anhydride SUB CODE: [07 / SUBM DATE: Ocde-65 / CRIG REF: 004 / OTE REF: 010			現成機能 一時間 物に指す。例は425年 12
Soyedinenty AN SER) "2-Acetoxy-2-acc ylaminohexafluoropropane and Its Reactions" Moscow, Izvesti; Akademii Mauk SEGR, Seriya Khimicheskaya, No 6, 1966, pp 1108-1110 Abstract: 2-Acetoxy-2-acetylaminohexafluoropropane was produced by reaction of hexafluoroacetomeimine with acetic anhydride in the presence of catalytic amounts of sulfuric acid. It was also produced by acetylation of the geminal hydroxyamide with acetic anhydride. Reactions of 2-acetoxy-2-acetylaminohexa-fluoropropane were studied: it reacts readily with nucleophilic reagents with a replacement of the acetoxy group. The reaction with acetamide yields 2,2-bis-(acetamido) hexafluoropropane; the reaction with ketene leads to a dihydroxazione, hydrolysis of which yields beta-acetylamino-beta, beta-bis-(tri-fluoromethyl) propionic acid, and then hexafluoro-beta-valine. Orig. art. has: 5 formilas. JPRS: 37,023 TOPIC TAGS: fluorinated organic compound, hydrolysis, acetic anhydride SUB CODE: 107 / SUEM DATE: Ocde-65 / CRIG REF: 004 / OTE REF: 010	KNUNYANIS I. L. ZEYPN	MAN. You V. GAMBARVAN N D	
Abstract: 2-Acetoxy-2-acetylaminohexafluoropropane was produced by reaction of hexafluoroacetoneimine with acetic anhydride in the presence of catalytic amounts of sulfuric acid. It was also produced by acetylation of the geminal hydroxyamide with acetic anhydride. Reactions of 2-acetoxy-2-acetylaminohexa-fluoropropane were studied: it reacts readily with nucleophilic reagents with a replacement of the acetoxy group. The reaction with acetamide yields 2,2-bis-(acetamido) hemafluoropropane; the reaction with ketene leads to a dihydroxyazione, hydrolysis of which yields beta-acetylamino-beta, bata-bis-(tri-fluoromethyl) propionic acid, and then hexafluoro-beta-valine. Orig. art. has: 5 formilas. [JPRS: 37,023] TOPIC TAGS: fluorinated organic compound, hydrolysis, acetic anhydride SUB CODE: [07] SUBM DATE: Ocde-65] CRIG REF: 004 / OTE REF: 010	soyedineniy AN (SSR)	lemy of Sciences USSR (Insti	tut elementoorganicheskikh
amounts of sulfuric acid. It was also produced by acetylation of the geminal hydroxyamide with acetic anhydride. Reactions of 2-acetoxy-2-acetylaminohexa-fluoropropane were studied: it reacts readily with nucleophilic reagents with a replacement of the acetoxy group. The reaction with acetamide yields 2,2-bis-(acetamido) hexafluoropropane; the reaction with ketene leads to a dihydroxxazione, hydrolysis of which yields beta-acetylamino-beta, beta-bis-(tri-fluoromethyl) propionic acid, and then hexafluoro-beta-valine. Orig. art. has: TOPIC TAGS: fluorinated organic compound, hydrolysis, acetic anhydride SUB CODE: O7 / SUBM DATE: O6Deo65 / CRIG REF: O04 / OTE REF: O10	Moscov, Izvesti, Akade pp 1108-1110	mii Mauk 886R, Seriya Khimid	cheskaya, No 6, 1966,
ard 1/1 vab. UDC: 912.91 + 516.16	amounts of sulfuric acting hydroxyamide with acetic fluoropropane were studies, replacement of the acetic fluoromation in the acetic fluoromation, hydrolysis fluoromathyl) propionic formulas. [JPRS: 37.	De with acetic anhydride in d. "It was also produced by c anhydride. Reactions of g ied: it reacts readily with atoxy group. The reaction with or which yields beta-acotyl acid, and then hexafluoro-b .0237	the presence of catalytic acetylation of the gaminal cacetoxy-2-acetylaminohexa- n nucleophilic reagents with with acetamide yields 2,2- th ketene leads to a dihy- lamino-beta, beta-bis-(tri- beta-valine. Orig. art. has:
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923. 1903.	SUB CODE: 07 / SUBM		
	SUB CODE: 07 / SUBM		DC1 · 512.91 + 516.16

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L 0516/4-67 EAT (m) /EMP(1) JW/RM
ACC NR. AP7000738 SOURCE CODE: UR/0062/66/000/006/1124/1124
Compounds, Academy of Sciences DEER (Institut elementoorganichesisch soyedinenty
"New Method of Synthesizing Alpha-Difluorosminoperfluorocarboxylic Acids and Their Derivatives"
Moscow, Izvestiya Akademii Mauk SSSR, Seriya Khimicheskaya, No 6, 1966, p 1124
Abstract: A new method of synthesizing alpha-difluoroaminoperfluorocarboxylic acids and their derivatives on the basis of readily available alkylperfluorovinyl
vas treated with tetrafluorous treated. The alkylperfluorovinyl ether
alphadifluoroaminoperfluoropropionic acid by treatment with alcohole.
has: 2 formulas. [JPRS: 37,023]
TOPIC TAGS: organic synthetic process, fluorocarbocylic soid, ether, vinyl compound hydrazine, nonmetallic organic derivative
SUB CODE: 07 / SUBH DATE: 07Apr66 / OTH REP: 001
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EWT(m)/EWP(s) MA/FOM/JV L 32682-66 EWT() ACC NR. AP6012527 UR/0062/66/000/003/0466/0472 SOURCE CODE: AUTHOR: Knunyants, I. L.; Jokin, A. V.; Komerov, V. A. ORG: none TITLE: Kitration of perfluoropropylene with nitrogen dioxide and investigation of nitration products SOURCE: AN SSSR. Investiya. Seriya khimicheskaya, no. 3, 1966, 466-472 TOPIC TAGS: nitration, organic chamistry, nitrogen oxide, fluorine compound, PROPYLENE ABSTRACT: The present study is a continuation of work reported in Dokl. AN BSSR, III, 1035 (1956). The synthesized nitration products are given in the following table along with some of their properties! 542.958.1 + 661.723-16 1/3

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07,-0	NO NO.	119-190	1,638	1,3560	OH OC.M. CF.NO.	68(44)	1,616	1,3621	•	
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OH	-CP ₀ NO ₀		•	1,3500	NO, OH	65(40)	1,4790	1,3780		
08	3-07,110,			1,3758	CH.	35(35)	1,2960	1,3015		
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L 31885-66 EWT(m)/EWP(1)/T WM/JW/JWD/EM

ACC NR: AP6012539

SOURCE CODE: UR/0062/66/000/003/0585/0585

AUTHOR: Dyatkin, B. L.; Mochalina, Ye. P.; Bekker, R. A.; Knunyants, I.

ORG: Institute of Elemental Organic Compounds, Academy of Sciences SSSR (Institute elementarmoorganicheskikh soyedineniy Akademii nauk SSSR)

TITLE: Mechanism of addition of nitroeyl fluoride to fluoroolefins

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1966, 585

TOPIC TAGS: organic synthesis, fluorine compound

ABSTRACT: The authors obtained experimental proof of the nucleophilic mechanism of addition of FNO to higher fluoroclefins. It was shown that alkali metal fluorides (especially in strongly ionizing media) are effective catalysts of this reaction

Perfluoroethylene reacts with FNO only at 120-150°C and the reaction of perfluoroethylene (15 g), FNO (5.5 g), CsF (2 g) and KF (4 g) produces 2-nitrosoperfluoropro-

Card 1/2

UDC: 541.124 + 546.16

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par wit ter for	ne (14.3 g). Th FNO even	Perfluoroc during heati FNO, 1 g CS uces <u>nitroso</u>	yclobutene accorng to 120°C; how F and 2 kg KF wi perfluorocyclobu 300ec85/ ORIG	th 5 ml of tet tame with 70%	of 8 g or perr. remethylene su yield.	rnologactorn	ingen international contraction of the contraction
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1 31795-66 heta)/Repla SOURCE CODE: UR/0079/66/036/003/0500/0506 ACC NR. AP6021685 Keynguliova, A. A.; Savolnik, V. I.; Kminyants, I. L. #SOFFUA 25. 24 M ORG: none TITLE: S-alkylthiophosphonic soids and their derivatives. I. Influence of induction and conjugation on the dissociation constants of the acids Zhurnal obshchey khimii, v. 36, no. 3, 1966, 500-506 SOURCE: TOPIC TAGS: phosphonic soid, nonmetallic organic derivative, conjugate bond system, dissociation constant, substituent, organic sulfur compound, chlorinated organic purocurd ABSTRACT: A series of thioesters of alkylthiophosphomic and arylthiophose phonic acids were produced for the first time by the action of water on benzene solutions of the corresponding thielchlorophesphates. Acid thioesters of alkyl- and arylthiophosphonic acids are thermally unstable compounds, in contrast to their oxygen analogs; S-alkylalkyl- and S-alkylarylthiophosphonic acids are stronger acids than their oxygen analogs. The dissociation constants of the acids were determined and were found to depend not only on the inductive influence of substituents, but also on the ability of the atoms or groups of atoms borded to the phosphorus to participate in conjugation with the vacent 3d-level of the phospherus atom. The influences of induction and conjugation upon the dissociation constants of the acids are discussed, 'Orig. art. has: 6 tables. []PRS SUB CODE: 07 / SUBM DATE: 19Apr65 / ORIG REF: 005 / OTH REF: 007 Cord 1/1 (5

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ORG: none TITLE: Prep	arative method for dip			25
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TOPIC TAGS:				
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ABSTRACT: A diphenylbis(reaction of fluoride, an	n Author Certificate h trifluoromethyl)methan hexafluoroacetone with d subsequent oxidation	tes been issued for a te-4,4 dicarboxylic a toluene in the present of the reaction produced to t	preparative me icid. The metho ince of animydro luct with filut	od involves the

L 17611-66 ENT(m)/EMP(1) WM/JW/RM
ACC NR: AP6002089

SOURCES CODE: UR/0062,/65/000/011/1982/1987

AUTHORS: Mikhamedalivev. H.; Cheburkov. Tu. A.; Knonyants, I. L.

1%

ORG: Institute for Heteroorganic Compounds, Academy of Sciences, SSSR (Institute elementoorganicheskikh soyedineniy Akademii nauk SSSR)

TITLE: Perfluoredimethylketene. Communication 6. Interaction with nitrous acid derivatives

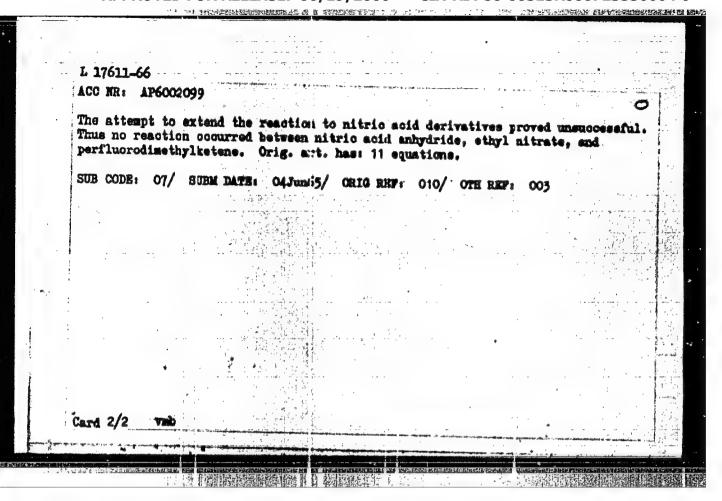
SOURCE: AM SSER. Investiya. Seriya khimicheskaya, no. 11, 1965, 1982-1987

TOPIC TAGS: fluoride, fluorinate! hydrocarbon, fluorinated organic compound, fluorine compound, organic nitril; compound, chemical reaction

ABSTRACT: The properties of the fluorosahydride and sthyl oster of ci-nitrosohexa-fluorobutyric acid were studied to extend the work of the authors (Dokl. AN SSSR 165, 1 (1966)). The latter compounds were obtained by reacting perfluorodimethyl-ketene with nitrosyl fluoride and ethylnitride. In addition, the reaction of perfluorodimethylketene with sodium nitrite and nitrogen trioxide, yielding an oxime of hexafluoroscotome, was also studied. A reaction mechanism for each of the reactions is proposed, and the yield and melting point of each product are recorded.

Card 1/2

UDC: 542.91+546.16



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acc nr ₁ ap6002	608 <i>(A)</i>	BOURGE CODE: U	R/0286/65/000/023/0	2017/0017
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ORG: none				
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ABSTRACT: This by treating sul- the desired pro-	Author Certificate pre- furyl chloride with an dust, alcohol sulfites	sents a method f	or obtaining dialky	yield of

GEVORKYAN, A.A.; DIATKIN, B.L.; ENUNYANTS, I.L.

Certain resotions of tert-nitrosoperfluoroisobutane. Thur. VKHD
10 no. 62707-708 '65 (HIRA 19:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. Submittei July 22, 1965.

DYATKIN, B.L.; BEKKER, R.A.; MUNTANTS, I.L., alademik

Reaction of alkylperfluorovinyl ethers with nitroger dioxide.

Esters of nitrosofluorocarboxylic acids. Dokl. AN SESR 166
no.1:106-109 Ja '66. (HTRA 19:1)

1. Institut elementoorganicheskikh soyedinenty AN SSSR. Submitted July 9, 1965.

KNUMMANTS, I.L.; DYATKIN, B.L.; MCCHALINA, Ye.P.; LANTSEVA, L.T.

Hexafluoroisopropylhydroxylamines and the dissociation constants of some fluorinated hydroxylamines and oximes. 12v.kH SSSR. Ser. (him. no.1:179-180 166.

1. Institut elementoorganicheskikh soyedineniy AN SISR. Submitted May 26, 1965.

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KNUNYANTS, I.L., akademik; KOCHARTAN, S.T.; CHEBURKOV, Yu.A.; BARGAMOVA, M.D.;
ROKHLIN, Ye.M.

Reversibel dehydrofluorination of 2-monohydroperfluoroisobutane and 2-hydrohexafluoroisobutyric acid esters. Dokl. AN SSSR 165 no.4:827-830 D 165. (MIRA 18:12)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

水形。如中心的心理中国的特别。 [1] "转性的"对"一"

GERMAN, L.S.; KHUNYANTS, I.L., akademik

Hypofluorination reaction. Dokl. AN SSSR 166 no.3:602-603 Ja '66. (MIRA 19:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. Submitted July 21, 1965.

DYATKIN, B.L.; MOCHALINA, Ye.P.; LANTSEVA, L.T.; KHUNTANTS, I.L.

Hexafluoroisobutyric acid in the Borodin-Hunsdiscker reaction.

Zhur.VKHO 10 no.41469-470 165. (MIRA 18:11)

1. Institut elementoorganicheskikh soyedineniy AN SSIR.

KNUWYANTS, I.L.; PROBIN, V.M.; SYKROVSKAYA, E.O.

Interaction of fluoreolefins with S,S-diethylhydroxylamins.
Shur.VKRO 10 no.4:470-472 165. (NIRA 18:11)

KNUNYANTO I.L.; BYKHOVSKATA, E.G.; DYATKIN, B.L.; FROSIN, V.N.; GEVORKYAN, A.A.

Interaction of trifluoronitroisomethane and tert-perfluoronitroisobutane with acid phosphites. Zhur.VKHO 10 no.4:472-473 165. (MIRA 18:11)

GEMAN, L.S.; ROZHKOV, I.N.; INNITARES, I.L.

Hitrofluorination of ethylene and monofluoroccetic acid.

Elmo.VENO.10 ac.5:5579-400 165.

(MIRA 18:11)

1. Institut elementoorganicheskikh soyedineniy AN SSGR.

MUKHAMADALITEV, M.; CHEBURKOV, Tu.A.; RHUNYANTS, I.L.

中国大阪企业的经济中国的政治和政治的企业的企业。

Perflueredisethylketers. Report Ho.6: Reaction with derivatives of mitrous soid. Isv. AW SSSR. Ser. khis. no.11:1982-1987 165. (NIRA 16:11)

l. Institut elementeorganisheskikk seyedimeniy AW SSSR,

ZEYPKAN, TR.W.; GAMBARYAN, W.P.; KNUWLANTS, I.L.

Hernfluoreagetere N-bensoyl amine, Isv. AN SSSR. Ser. khim. ne.11:2046-2048 165. (MIRA 18:11)

1. Institut elementeerganisbeskikh moyedineniy AM SSSR.

シニ・プランが正文学は対象に対し、地域の知识的小原性が関係を表現

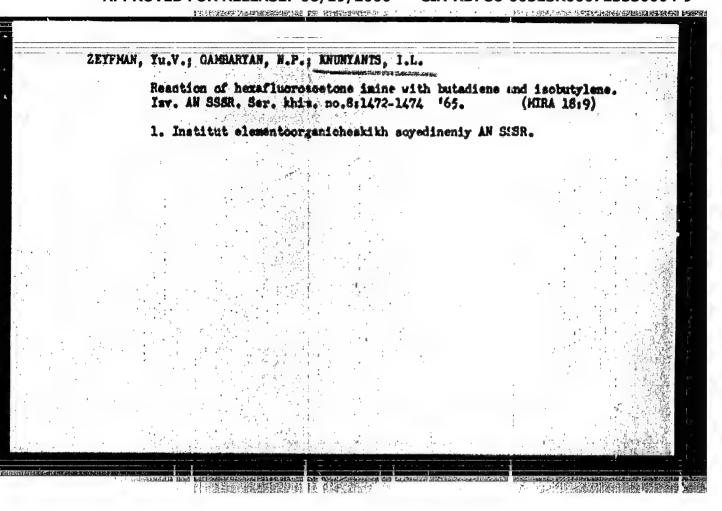
L 7893-66 EWT(m)/EPF(c)/EWP(1)/EWA(c) RPL SOURCE CODE: UR/0286/65/000/016/0027/0027 AP5024965 ACC NR: AUTHORS: Knunyants. Sokol skir. G. S.: ORG: none TITLE: Method for obtaining octafluorocyclobutane. Class 12, Mo. 1737, /announced by Military Academy of Chemical Defense, (Voyenneya akademiya khimicheskoy shashchity)/ SOURCE: Ryulleten' isobreteniy i tovarnykh snakov, no. 16, 1965, 27 TOPIC TACS: flushinghed organic compound, tetrafluoroethylene, cyclic group, buter organic synthetic presents a method for obtaining octafluorocyclobutane by heating the tetrafluorosthylene in an autoclave in the presence of polymerisation inhibitors and by subsequent separation of the product by fractionation. To increase the yield of product, carbon dioxide or methylsulfite are used as polymerisation inhibitors, and the reaction is carried out at 150-1700. SUB CODE: 07/ SUBM DATE: 15Dec64 Card 1/1

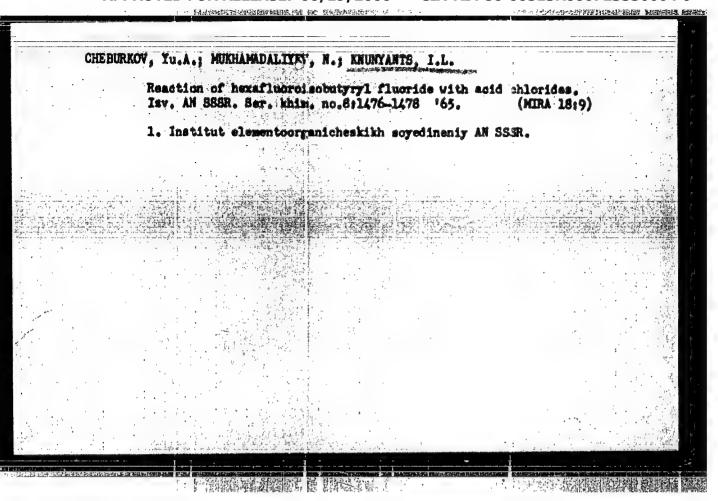
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KHUNYAWTS, I.L. (Moskva); SOROL'SKIT, G.A. (Moskva); ELLAVETTSEV, M.A. (Moskva)

Ionotropia conversions of \$-sultones. Teoret. 1 eksper. khis.
1 no.3:324-342 My-Je '65.

(MIRA 18:9)



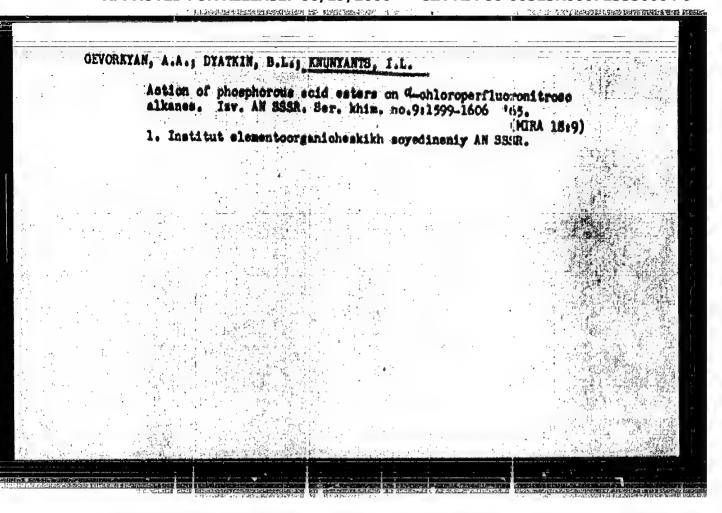


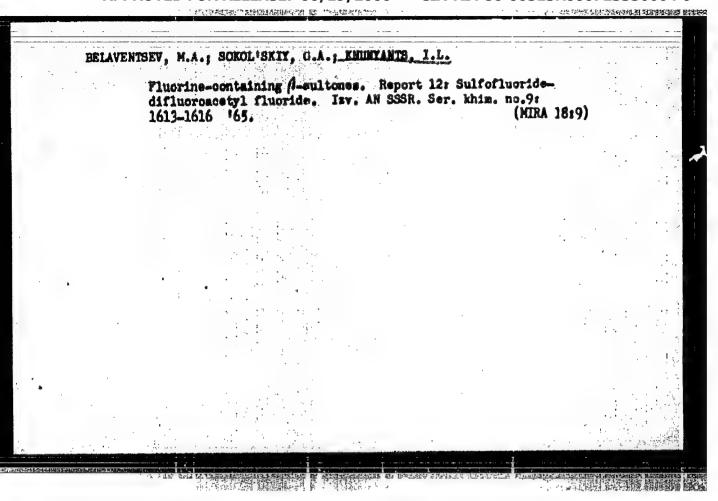
CHEBURKOV, Yu.A.; MURHAMADALIYIV, M.; ARONOV, Yu.Ie.; KNURTANTS, 1.L.

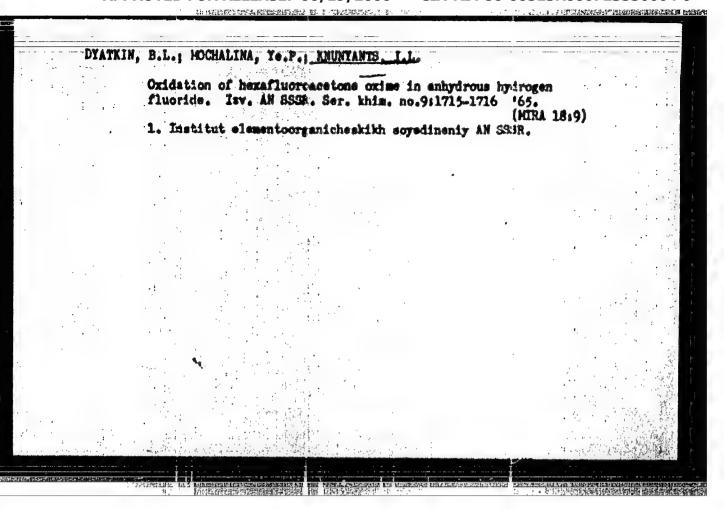
Reaction of perfluorodimethylketene with dimethylformenide.

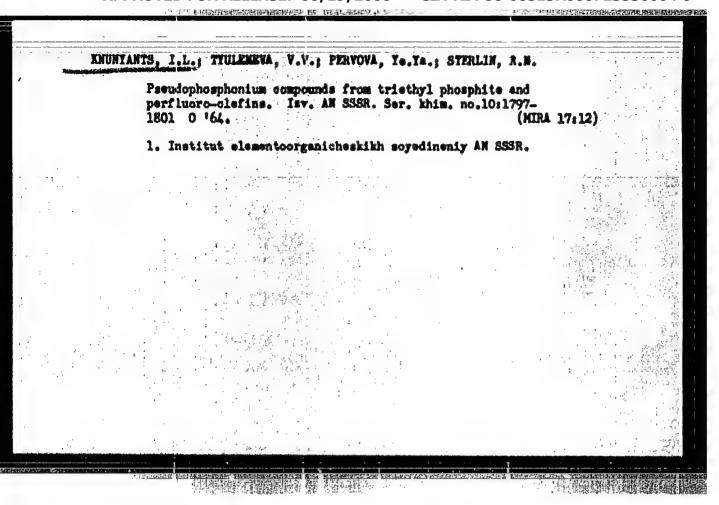
Inv. AN SSSR. Ser. khim. no.8:1478-1480 '65. (MIRA 18:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.









SCKOL'SKIY, G.A.; BELAVENTSEV, M.A.; KNUNYANTS, I.L.

Fluorine-containing -sultones. Reports No.14: Trifluorovinyl chlorosulfate, Izv, AN SSSR.Ser.khim. no.10:1804-1808 '65.

(MIRA 18:10)

KNUNYANTS, I.I., GOLUBEVA, N.Ye., DEL'TSOVA, D.P.

Poptides containing N-dichloroacetyl-DL-serine. Izv. AN SSSR.Ser. khim. no.10:1872 65. (MIRA 18:10)

1. Institut elementoorganicheskikh soyedineniy AN USSR.

DYATKIN, B.L.: GEV REYAN, A.A.; KHUNYAHTS, I.L.

Shistitut on of nitroso group in perfluoronitroso nikanes,
Inv. AN S SR.Ser.khim. no.10:1873-1875 165.

(KIRA 18:10)

1. Institut elemontoorganicheskikh coyedinenty in CSSR.

ZURABYAN, S.E.; RASTEYKERE, L.P., KIL'DISHEVA, O.V.; KNUMYARTS, 1.L.

Rod-soyl derivatives of arginine containing cddi(2-chloroethyl)
axino group. Inv. AN SSSR. Ser. khim. no.10:1899-1901 0 '64.
(KIRA 17:12)

1. Institut elementoerganicheskikh soyedineniy AN SSSR.

N 165.

CHERURKOV, Yu.A.; MUKHAMADALIYEV, H.; DENYAMIC, 1.1., whatemik A-Ritrosobexafluoroisobutyric setd. Bokl. AN SSSR 165 no.1:127-129 (MIRA 28:10)

1. Institut elementeorganicheskihn sowedinanty AN SSCR.

KNUNTANTS. L.L., glav. red.; BAKHAROVSKIY, R.Ya., zam. glav. red.;

VÄSKEVICH, D.N., nauchm. red.; VOHSKIY, Ye.V., nauchm. red.; QALLE, R.R., nauchm. red.; CODIN, Z.I., nauchm. red.

MOSTOVENIO, N.P., nauchm. red.; CODIN, Z.I., nauchm. red.

[(oacise chemical encyclopedia] Kratkaia khimicheskaia
en siklopediia, Moskva, Sovetskaia Entsiklopediia.

Vol.4. 1965. 1182 eclumns. (MIRA 18:7)

MR/HC/NW EWT(m)/EWP(1) L 44365-66

ACC NR. AP6019737

UR/0063/66/011/003/0356/0358 SOURCE CODE:

AUTHOR: German, L. S.; Knunyants, I. L.

ORG: Institute of Organoelemental Compounds, Academy of Sciences SSSR (Institut ele-

mentoorganicheskikh soyedineniy akademii nauk SSSR)

TITLE: Reactions in anhydrous hydrogen fluoride. Synthesis of fluorine containing simple and complex esters

SOURCE: Vses khim obshch. Zh, v. 11, no. 3, 1966, 356-358

TOPIC TAGS: ester, esterification, compound, chlorinated organic compound fluorinated organic

ABSTRACT: Several simple fluorine-containing esters were synthesized from 1,1-difluore -ethylene alcohol and formaldehyde in HF-solvent. The complex esters were synthesized from 1,1-difluoroethylene (or 1,1-dichloroethylene), acetic acid and formaldehyde in HF-solvent. Boiling points, refractive indices, densities, yields, data on elementary analyses, and NHR spectral data for the product esters, are presented in tabular form. In a typical synthesis example, 0.2-0.3 mol of alcohol (or acetic acid) were added within 1-1.5 hours to a 15% solution of paraformaldehyde in HF at 0 to -5°C. After 2-3 hr, the excess of HF was driven off by evaporation and the reaction mixture was separated from ice, neutralized with ammonium carbonate and extracted with diethyl ether or distilled off. Orig. art. has: 1 table, 3 formulas.

SUB CODE: 07/

SUBN DATE: 24Dec65/

AND REPORTED VALUE

ORIG REF: 002/

OTH REF: 001

hs. Card 1/1

UDC: 547.221/547.29

ZAVIDOV, V.I.; ZMINEVSKII, P.K.; FEDOROVA, Z.V.; KNUR.L.I.; ATEMBKIN, A.I.

Obtaining extracts to be used as raw materials in the production of carbon black. Hefteper. i neftekhim. no. 6:24-26'63
(MIRA 17:7)

1. Volgogradskiy namohno-isaledovatal'akiy institut neftyanoy i gazovoy promyshlemnosti i Volgogradskiy netrepererabatymayushchiy savoda

ACC NR AP6035835

SOURCE CODE: UR/0413/66/000/020/0038/0038

INVENTOR: Knunyants, I. L.; Bykhovskaya, E. C.; Frosin, V. N.; Sizov, Yu. A.

ORG: none

TITLE: Preparation of fluorine-containing isoxazolidines. Class 12, No. 187026 (announced by Military Academy for Chemical Protection (Voyennaya akademiya khimicheskoy zashchity))

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966,38

TOPIC TAGS: fluoroisoxazolidine, nitrone, clefine, potassium fluoride, fluoriated organic compand, polanium compand, fluoriate ABSTRACT: In the proposed method, fluoriae-containing isoxazolidines

In the proposed method, fluorine-containing isomesolidines are obtained by treating nitrones with C₁--C₅ ¢-olefins in an organic solvent, e.g., benzene, in the presence of potassium fluoride in an autoclave at ~20°C.

[WA-50; CBE No. 14]

SUB CODE: 07/ SUBM DATE: 208ep65

Cord 1/1

TDC: 547.7861221.07

Cord 1/1

TITO: 51.7 388 1. 07

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723330004-9

SOURCE CODE: UR/0079/66/036/007/1326/1330 ACC NR. APO625994 AUTHOR: Dyatkin, B. L.; Gevorkyan, A. A.; Knunyants, I. L. ORG: none TITLE: Derivatives of trifluoroacetohydroxamic acid SOURCE: Zhurnal obshchey khimii, v. 36. no. 7, 1966, 1326-1330 trifluoroacetohydroxamic acid derivative, chlorination, TOPIC TAGS: FLUORINE COMPOUND, ACETAL, ORGANIC NITROSO bromination, FLUORINE COMPO COMPOUND, HALIDE, AMIDE ABSTRACT: Hydrogenation of CF2CF2HO2 over palladium black in absolute at an initial pressure of 120 atm gave CF3CF:NOH (bp 30-31°C, np20 1.3230, d20 1.1520), which was chlorinated at -40°C in tetrachloroethene in the presence of pyridine to form (92%) CF,CFC1N:0. The latter was mixed with phenol and ethyl ather at -78°C and then brominated with HBr at -30°C to form CF1CF: NOH, which was identified as CF1CF: NON . 0.5(C2N5)20 (bp 78-80°C, np26 1.3245, 420 1.1200): CFg-CFC1-N=0+H-Br -- CFg-CFC1-8-0-+H++ CF_-CFCI-8-0-+ H+ -- CF_-CFCI-8-08

NCC N	AP6025994 CF ₂ -CFCI-8-0H + HBr -> CF ₂ -CFCI-8-0H + H* + Br' CF ₂ -CFCI-8-0H -> CF ₂ -CF-N-0H + HCI + Br ₃ CF ₂ -CF-		************
	In this reaction, F may be substituted either by C1 (is formed during the reaction) or by Br, when the real conducted with an excess of NBr, to form CY ₂ CC1:NO identified as GY ₂ CG1:NON·0.3(C ₂ N _S) ₂ O (bp 48°C, n _D ²⁰ 1.244O) and CY ₂ CBr:NON (C ₂ N _S) ₂ O (bp 60—61°C, n _D ²⁰ 1.387O, d ₂ ²⁰ 1.517O):	ction	歌水 高州の中華書の、 のとあっ
	Charination of an aqueous solution of CF ₁ CH ₂ NHOH yie blue mitroso compound which dimerised to (CF ₂ CH ₂ NO), up 82.5—83.5°C; this when chlorinated at -20 C in RC yielded (55%) CF ₃ CGl:NOH, by 98—102°C, m _D ²⁰ 1.3610.	1404 a 15132	
Card S	CF ₂ -CH ₂ NO ₃ -N ₂ PE ₃ CF ₃ CH ₂ NHOH -CI ₃ N ₂ (CF ₃ CH ₃ N=O) ₂ CF ₃ -CH=N-OH -CI ₃ CF ₃ CCI=N-OH -C		A grant and the t

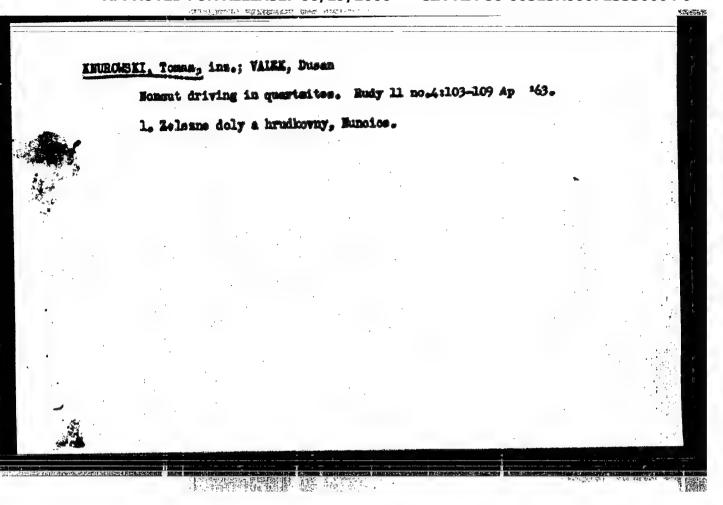
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VALEK, Dusan; KLIMA, Jaroslav; KNUROWSKI, Tomas, ins.

等中的常用在原門性後繼馬斯丁 解應 建原度或各种 "一

No-out gallery driving. Rudy 13 no.2:57-66 F '65.

1. Zelesorudne doly a hrudkovny Mational Enterprise, Fjpovice-Rucice (for Valek). 2. Central Administration of the Research and Mining of Radioactive Raw Materials, Pribram (for Klima).
3. Institute of Ore Research, Prague (for Knurowski).



VALEK, Dusan; KMUROWSKI, Tomes, ins.

Use of driving by parallel borsholes in the ore sines of Mucioe. Rudy 10 no.71225-227 Jl '62.

1. Zelasne doly a hrudkovny Ejpovice - Mucioe.

KNUTOV. G. D.

"Investigation of the Optimum Zone of Separation of the Chamber Mixture for Obtaining Alabhal in the Process of Bread Baking." Sub 15 Oct 17, Moscow Technological Inst of Food Industry

Dissertations presented for degrees in science and engineering in Moscow in 1947

Cand. Tech. Sci.

50: Sum No. 457, 18 Apr 55

VYKHOVAMETS, V.V.; CHENETS, V.V.; KRUTOV, V.I.; KALECHITS, I.V.

13°25年45名的基金数据数据的 1887年 2273 1883

在北海空間期間等的 時音 化学学

Methods of the determination of the mark position in sixmembered rings. Two. vys. ucheb. mav.; khim. 1 khim. tekh. 8 no.3:432-434 165. (MIRA 18:10)

l. Irkutskiy gosudarstvennyy universitet imeni Zhdanova, kafedra organicheskoy khimii.

VYKHOVANETS, V.V.; LIPOVICH, V.O.; EMUTOV, V.I.; CHEMETS, V.V.; ELYUM, O.I.;

KALECHITS, I.V.

Byntheres of methyloyelebexanes labeled with carbon-Cl4 in pecitions 1,2,3,4, and 7. Zhur.VKHO 10 no.4:465-465 '65.

(MIRA 18:11)

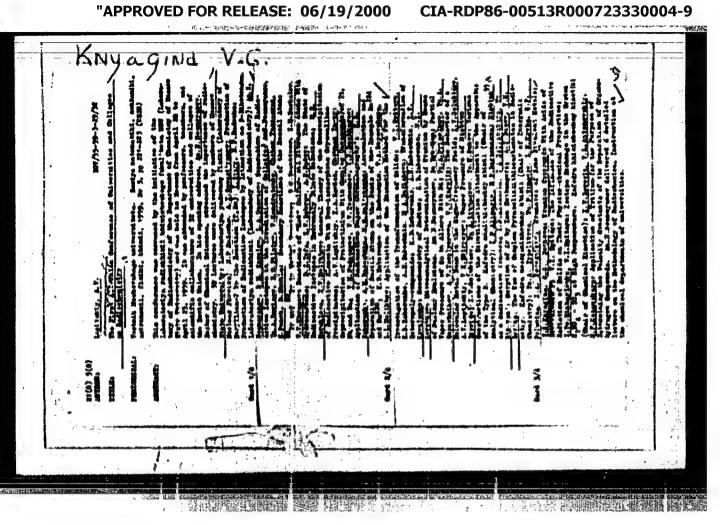
1. Institut nefte- i uglekhimicheskogo sintesa.

RWIAGININA, I.P.; LAPINA, R.A.; BLINOV, V.A.; GUDVILOVICH, I.V.

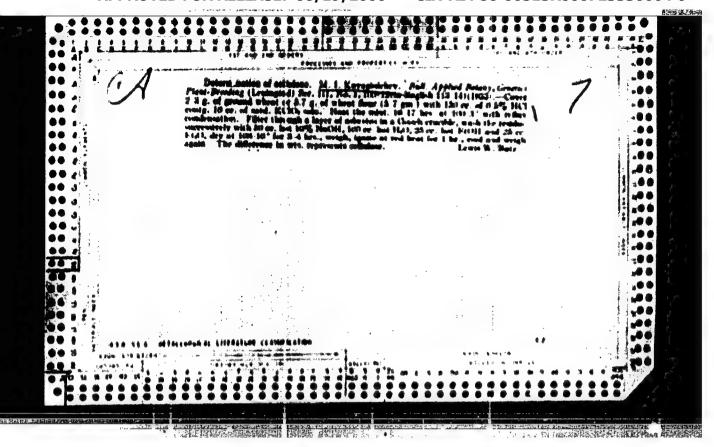
Hew "carbosoline" softeners. Tekst.prom.22 no.3163-69 Mr '62.
(MIRA 1513)

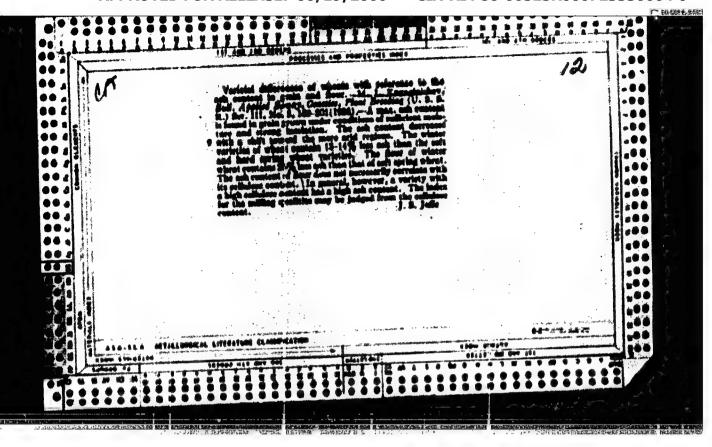
1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasitelsy (NIOPIL).

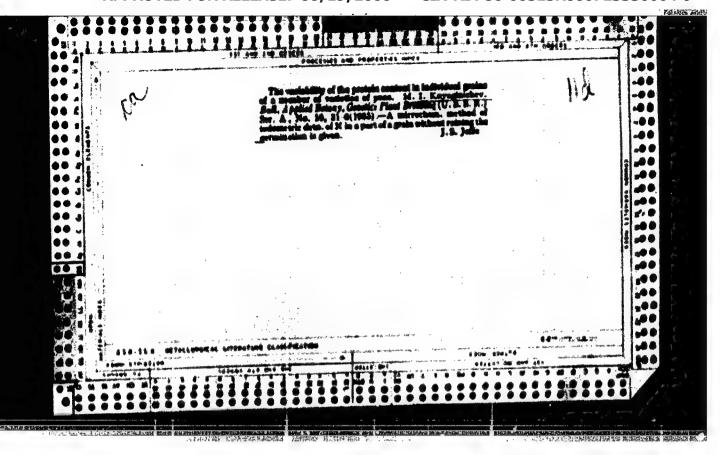
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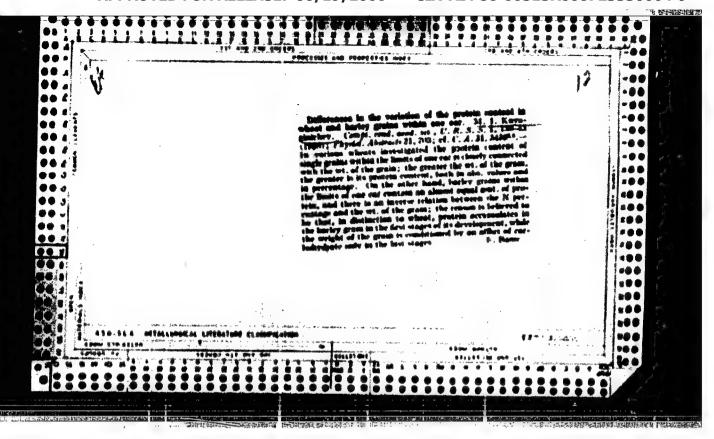


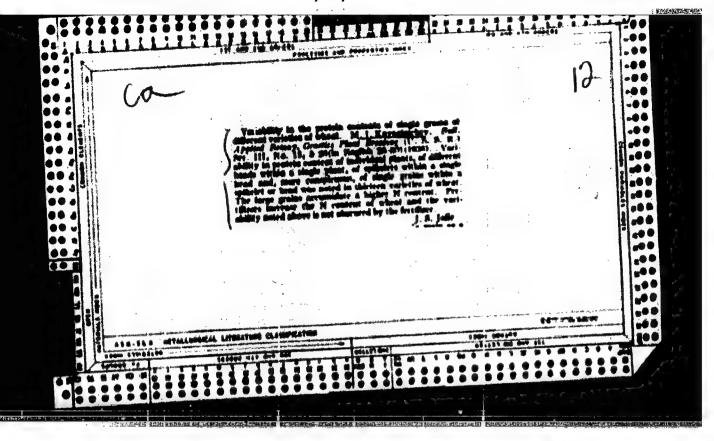
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